



THE DEFENSE EXPLOSIVES SAFETY MANAGEMENT SYSTEM

(DESMS)

maintaining the data needed, and c including suggestions for reducing	ompleting and reviewing the collect this burden, to Washington Headqu uld be aware that notwithstanding ar	o average 1 hour per response, includion of information. Send comments arters Services, Directorate for Inforny other provision of law, no person	regarding this burden estimate of mation Operations and Reports	or any other aspect of the 1215 Jefferson Davis	is collection of information, Highway, Suite 1204, Arlington		
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DESMS MODULES

- POLICY (ESP) Provides access to and promulgates explosives safety policies, directives, and reports
- EXPLOSIVES SITE PLANNING (ESS) Prepares explosives s plan package, including site map and hazard analysis
- EXPLOSION MODELLING (ESM) Assists user in performing "what if" analyses and provides access to approved models
- MISHAP ANALYSIS MODULE (ESMAM) Provides access to, facilitates reporting, and provides cross-tell tool for explosive mishaps
- UNEXPLODED ORDNANCE (UXO) Manages and graphicall depicts location and status of areas containing UXO





OVERVIEW

- AUTOMATE SYSTEMS FOR CURRENT MANUAL PROCESSES
 DoD Corporate Information Management (CIM) effort
- IDENTIFY MOST CAPABLE/COMMON AUTOMATED SYSTEMS
 With assistance of the Defense Environmental Security
 Corporate Information Management (DESCIM) Program Office
 - -- Develop selected Migration Systems
 - -- Deploy selected migration systems to the Services
 - -- Establish Standard Data Requirements to facilitate exchar of information among the five DESMS Modules
- IMPROVE accessability and exchange of Mishap Data and Policy Guidance
- FACILITATE Required Explosives Safety Reviews





ESTIMATED DESMS DEPLOYMENT

POLICY MAY 1997

MISHAP REPORTING DECEMBER 199

SITE PLANNING JULY 1997

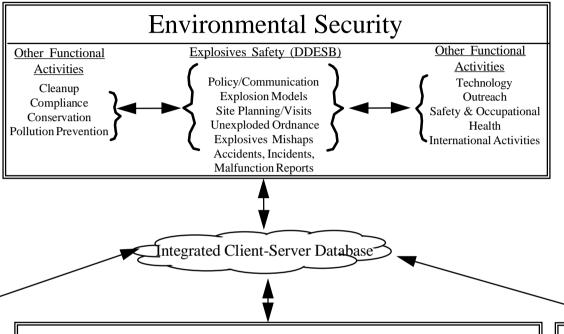
UNEXPLODED ORDNANCE JULY 1997

EXPLOSION MODELING TBD



Overview of Defense Explosives Safety Management System (DESMS) Requirements





Nuclear Ordnance <u>Life Cycle Mgt</u>

Atomic Energy
CIM
Explosion Models
Chemical
Dispersion Models

Non-Nuclear Ordnance Life Cycle Management							
Science/ Technology CIM Development	Test/ Evaluation CIM Development	Acquisition CIM	Procurement CIM Characteristics	Logistics CIM (Migration System = AMSS) Storage Distribution Maintenance Issue DEMIL/Disposal			

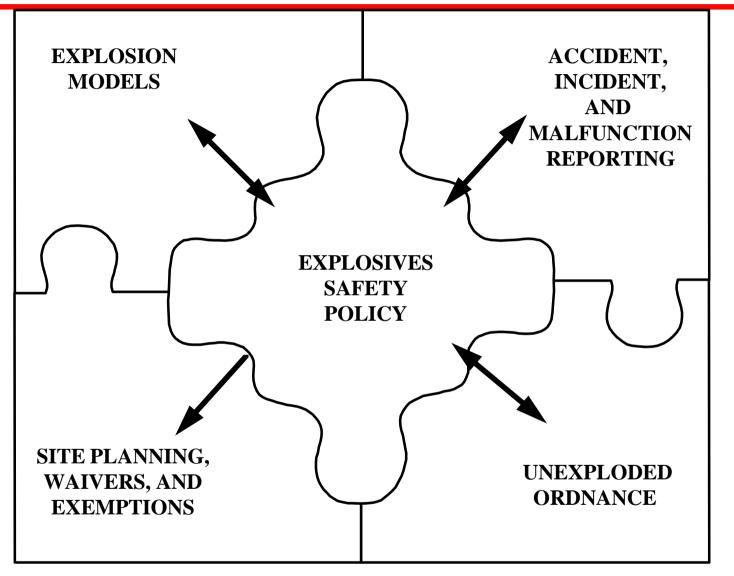
Installations Economic Security CIM

Maps/Master Plan
Storage Locations
Route
Occupied Areas
Explosives Facilities
Test/Training Ranges
Unexploded Ordnance
Real Property
Disposal





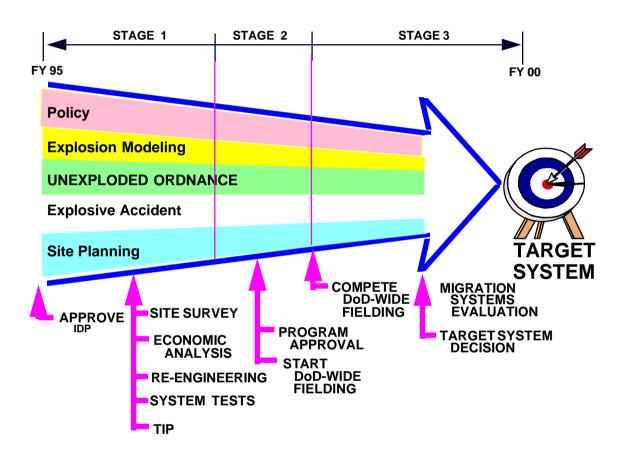
DESMS STRUCTURE





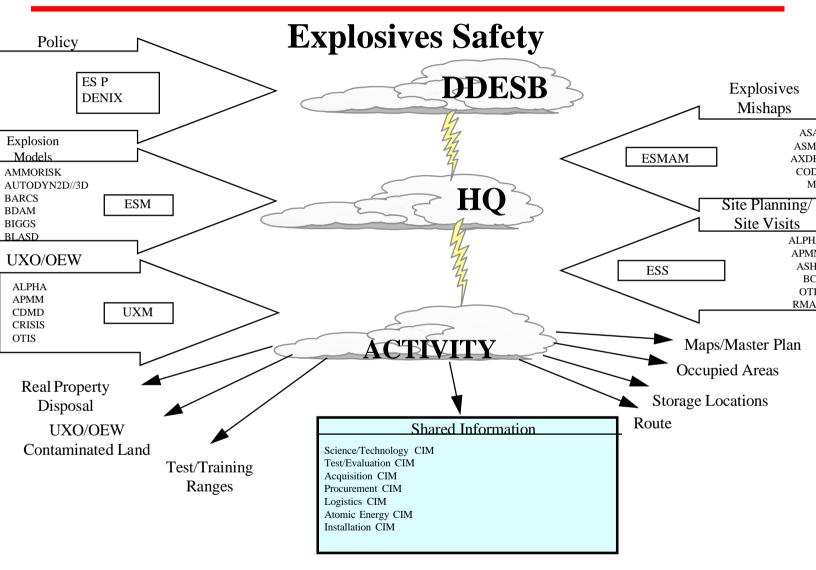


SUB-FUNCTIONAL AREAS







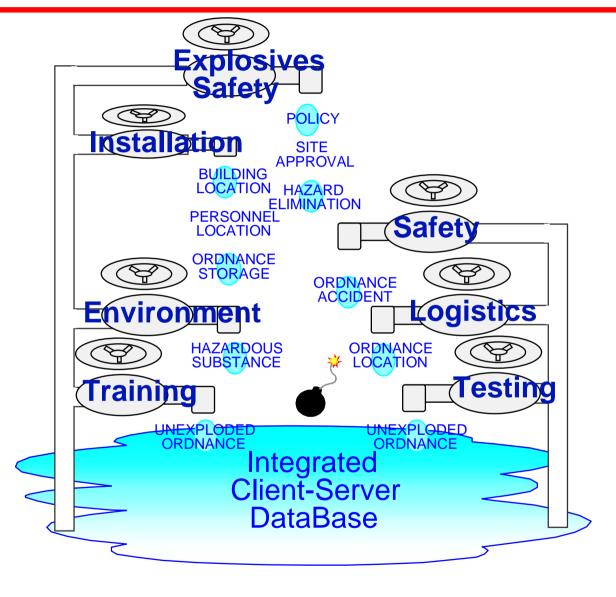




EXPLOSIVES SAFETY

SHARED CROSS-FUNCTIONAL INFORMATION









OVERVIEW

- CORPORATE INFORMATION MANAGEMENT (CIM): DoD initiative to improve operations and manage resources more efficiently, make better use of information technology, and eliminate duplicative information systems.
- DEFENSE EXPLOSIVES SAFETY MANAGEMENT SYSTEM (DESMS) being developed under the CIM initiative to:
 - IMPROVE Decision-making by Improving Management accessability to and exchange of Explosives Mishap Data a Policy Guidance
 - FACILITATE Required Explosives Safety Reviews